

**Claims**

1. A procedure for generating an address value for a communication terminal linked to a network, the procedure being characterized in that it comprises the following steps, at terminal level:
  - 5 a) reception of a pair of first and second address values from at least one call captured on the network,
  - b) determination of a characteristic value of the network, said value being contained in the first and the second address values,
  - 10 c) calculation of a third address value containing the characteristic value of the network,
  - d) assignment of the third address value to the terminal if this value is not already assigned to another terminal.
- 15 2. Procedure for generating an address value as claimed in claim 1, characterized in that if the terminal deduces from the call captured on the communication network that the second address is available, then the calculation step consists in giving to the third value the value of the second value.
- 20 3. The procedure for generating an address value as claimed in claim 1, characterized in that the third value is calculated by concatenating the characteristic value of the network with a specific value, this specific value being maximum on the first calculation, this specific value being reduced by one unit each time that the preceding third value calculated is found to be assigned to another terminal.
- 25 4. The procedure for generating an address value as claimed in claim 3, characterized in that it comprises a step consisting in changing the value of the least significant bit of the characteristic value of the network, the new characteristic value being reduced by this bit, said step being triggered when all the third values calculated from the preceding characteristic value of the network are already assigned to a terminal.
- 30 5. The procedure for generating an address value as claimed in any one of the preceding claims, characterized in that the assignment step comprises a

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step for sending a communication request to a terminal having the third address value, and a step for awaiting reception of a response, the reception of a response signifying that the third address value is not available.

5        6. The procedure for generating an address value as claimed in any one  
of claims 1 to 4, characterized in that the assignment step comprises a step for  
sending a communication request to a terminal having the third address value,  
and a step for receiving a message sent by the network following said request  
indicating that the third address value is not assigned to a terminal of the  
10 network, the step for receiving such a message triggering the assignment of the  
third address value to the terminal.

15        7. An electronic device designed to be connected to a communication  
network (4), comprising a means of bidirectional communication (3) with said  
network, characterized in that it comprises a means of receiving (3, 5, 6) a  
message comprising a first and a second address value, a means (5,6) for  
determining a characteristic value of the network which constitutes a part of the  
first and the second address values, and for calculating a third address value  
20 containing the characteristic value of the network, and for assigning this third  
address value to the device if the reaction following a call request sent by the  
communication means (3) to a device having the third address indicates that  
this third address value is not assigned to any terminal of the network.

25        8. The electronic device as claimed in claim 7, characterized in that it  
comprises a means of sending (3,5,6) a call request to a device having the third  
address value, and a means of detecting (3,5,6) a response to said request, the  
detection of a response signifying that the third address value is not assigned to  
a device of the network.

30        9. The electronic device as claimed in claim 7 or 8, characterized in that  
the calculation means (5,6) concatenates the characteristic value of the  
network previously determined with a specific value, this specific value being at  
its maximum on a first calculation, the calculation means subtracting one unit  
from this specific value to calculate a new third address value when it turns out  
35 that the preceding calculated address value is already assigned to a terminal.

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10. The electronic device as claimed in any one of claims 7 to 9, characterized in that it comprises a means (5,6) for changing the value of the least significant bit of the characteristic value of the network, the new characteristic value being reduced by this bit, said means being triggered when it turns out that all third values calculated from the preceding characteristic value of the network are already assigned to a terminal.

11. An electronic device designed to be connected to a communication network (4) comprising a means of bidirectional communication (3) with said network, characterized in that it comprises a means of receiving (3, 5, 6) a message comprising a first and a second address values, and a means (5,6) for assigning the second address value to the device if it turns out that this second address value is not assigned to any terminal of the network.

15 12. The electronic device as claimed in claim 11, characterized in that it comprises a means of detecting (3,5,6) a response to the message comprising the first and the second address values during a predetermined time, the absence of a response signifying that the second address value is not assigned to a device of the network, and can be assigned to the device.

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